

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P14209

Luminaire Tested: **ACN/CLB/ARC-080-LED-E-U-55-3-1-X-BK**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P14209
Test Lab: INNOVATION CENTER-P1
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ACN/CLB/ARC-080-LED-E-U-55-3-1-X-BK
Description: STREETWORKS POST TOP WITH A TYPE V PRISMATIC REFRACTOR WITH ARCHITECTURAL CAGE
Light Source: [6] 4000K LEDS
Ballast/Driver: [2] ELECTRONIC DRIVERS

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12350.2 lumens
Efficiency: N/A
Efficacy: 121.9 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.08' x H: 2.21')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B4 - U5 - G3

Input Watts (W): 101.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

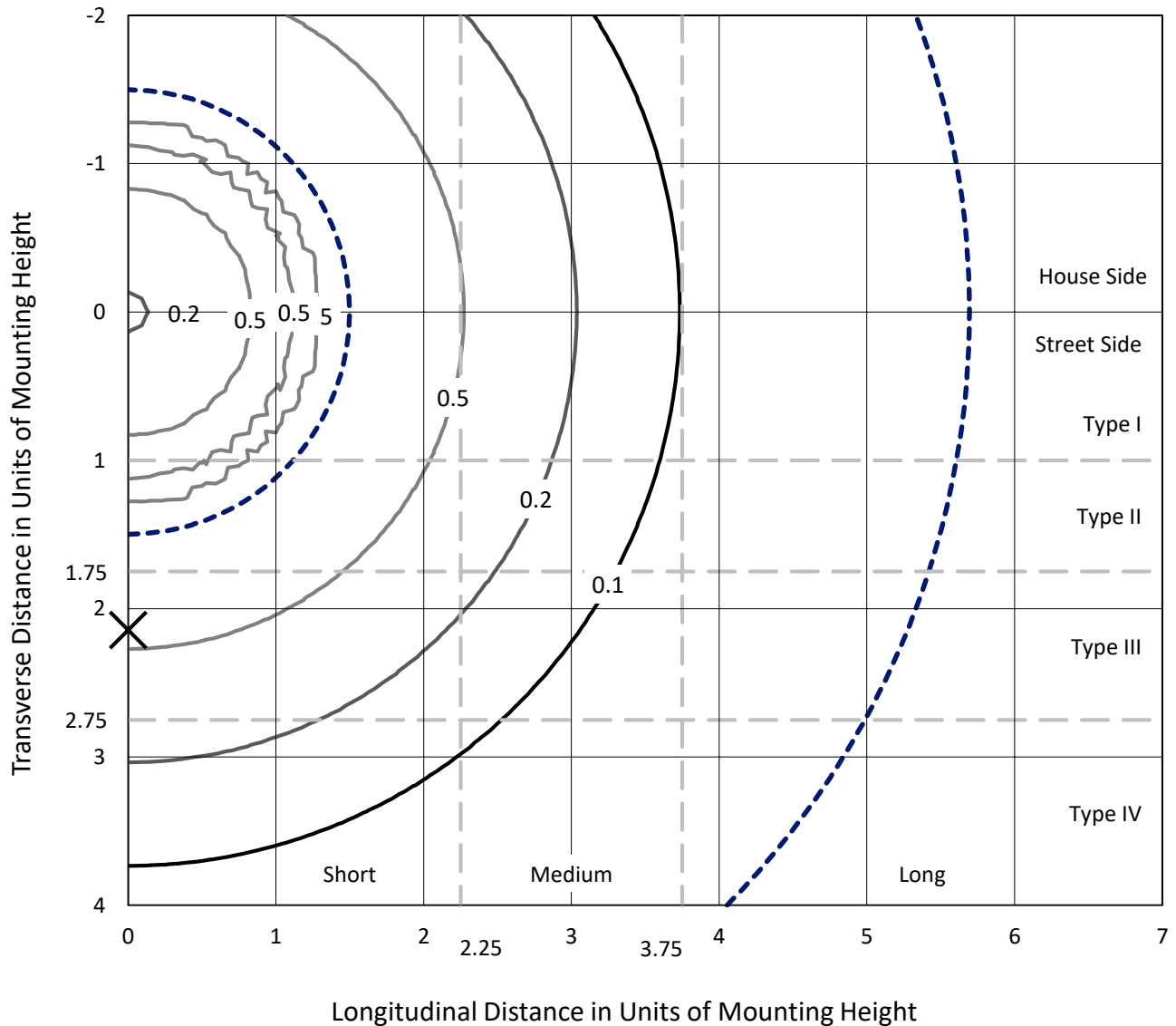


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

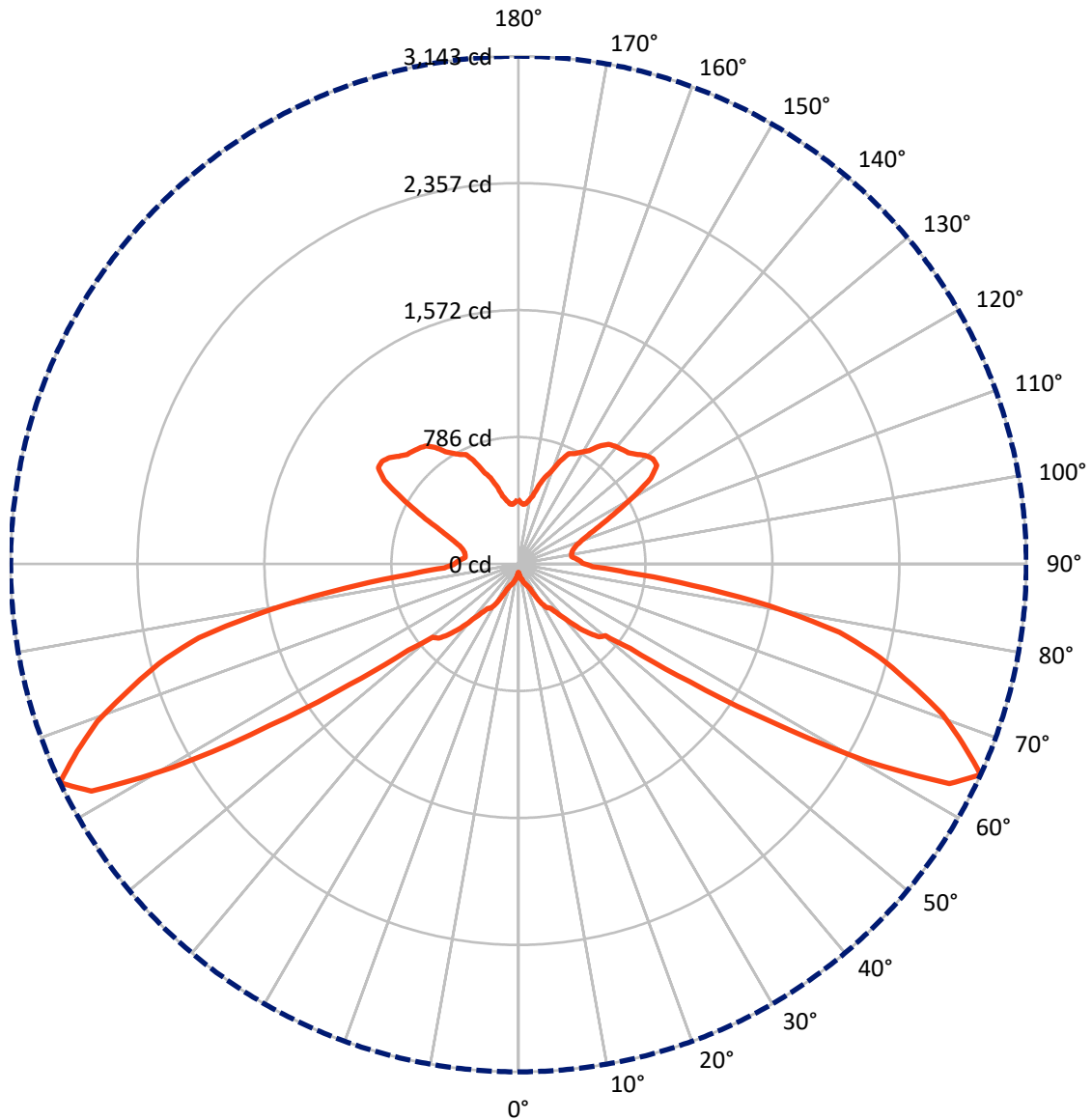


Based on 20 foot mounting height. Maximum calculated value = 0.8 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral

- - - Horizontal Cone Through 65-Deg Vertical

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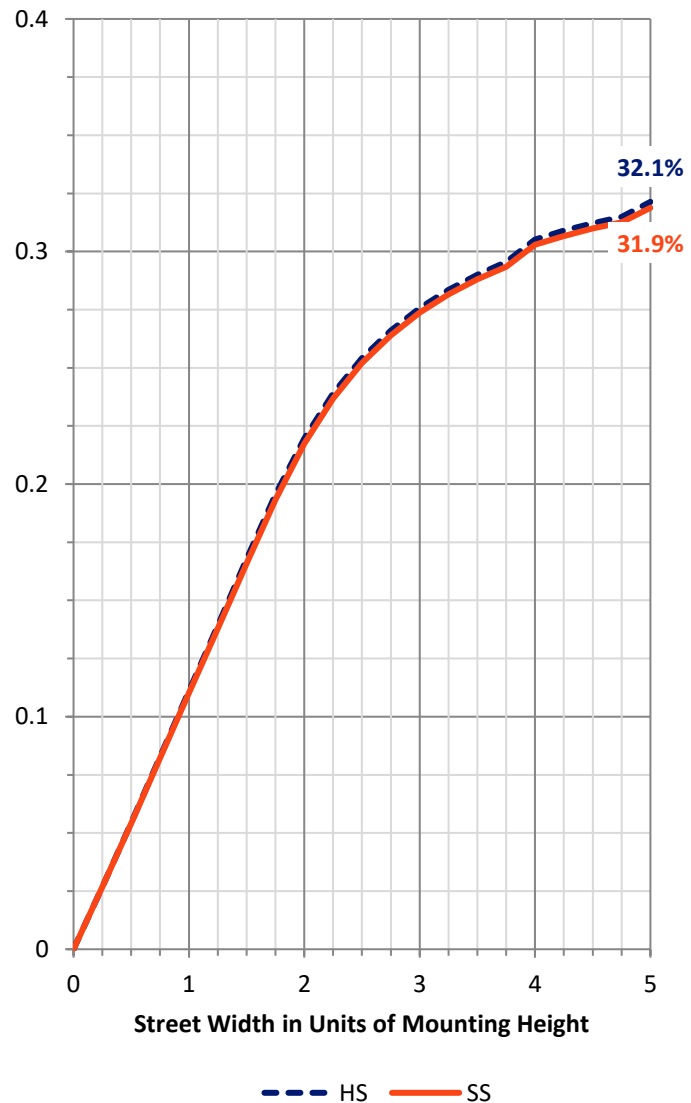
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4131.1	2044.0	6175.1
	% Fixture	33.4	16.6	50.0
Street Side	Lumens	4131.1	2044.0	6175.1
	% Fixture	33.4	16.6	50.0
Total	Lumens	8262.2	4088.0	12350.2
	% Fixture	66.9	33.1	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.5	0.1
10°-20°	33.0	0.3
20°-30°	89.6	0.7
30°-40°	221.3	1.8
40°-50°	464.3	3.8
50°-60°	1266.8	10.3
60°-70°	2913.1	23.6
70°-80°	2391.9	19.4
80°-90°	874.7	7.1
90°-100°	391.2	3.2
100°-110°	383.5	3.1
110°-120°	583.0	4.7
120°-130°	900.1	7.3
130°-140°	757.5	6.1
140°-150°	553.5	4.5
150°-160°	338.4	2.7
160°-170°	144.5	1.2
170°-180°	36.4	0.3
0°-90°	8262.2	66.9
0°-180°	12350.2	100.0



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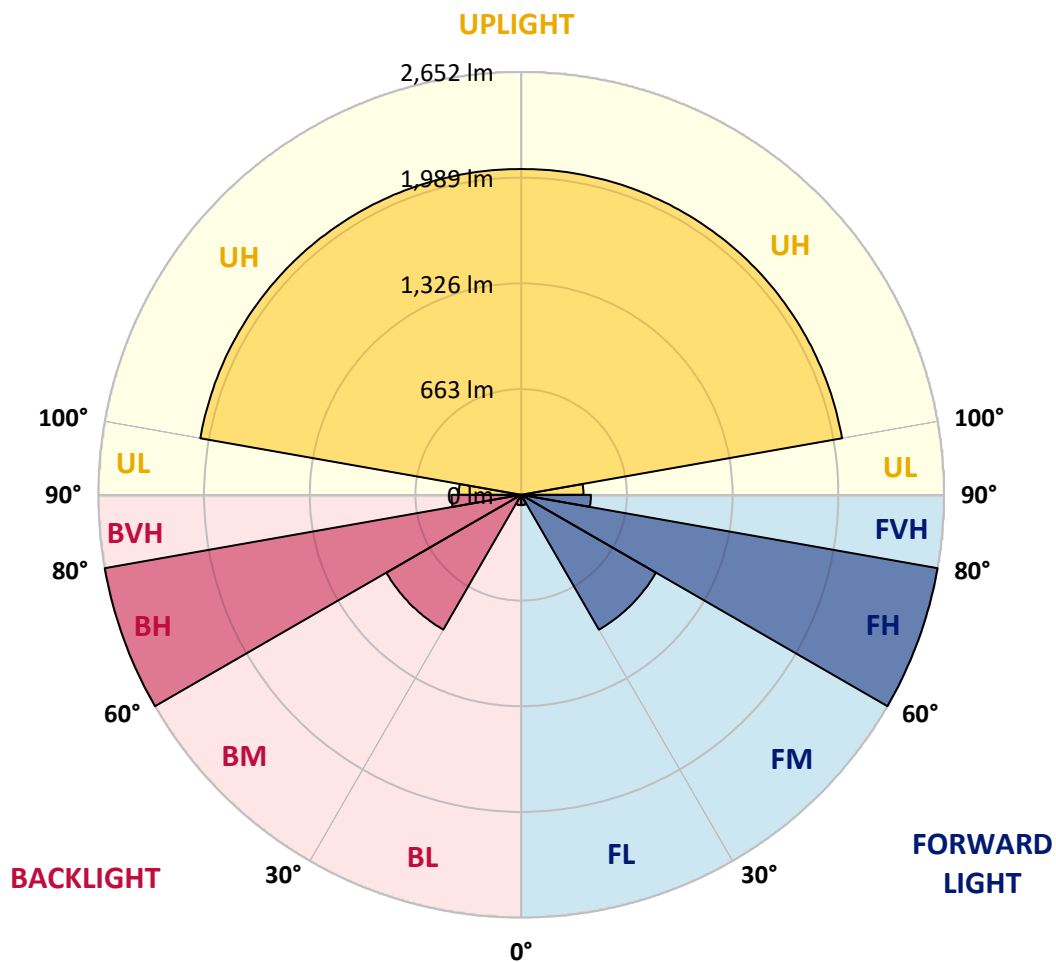
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	65.0	0.5			
FM (30°-60°)	976.2	7.9			
FH (60°-80°)	2652.5	21.5			G2/5000
FVH (80°-90°)	437.4	3.5			G3/500
BL (0°-30°)	65.0	0.5	B0/110		
BM (30°-60°)	976.2	7.9	B1/1000		
BH (60°-80°)	2652.5	21.5	B4/5000		G2/5000
BVH (80°-90°)	437.4	3.5			G3/500
UL (90°-100°)	391.2	3.2		U3/500	
UH (100°-180°)	2044.0	16.6		U5	

BUG Rating: B4-U5-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°
0°	50.8
2.5°	59.0
5°	70.5
7.5°	81.9
10°	95.1
12.5°	98.3
15°	116.4
17.5°	126.2
20°	136.0
22.5°	150.8
25°	172.1
27.5°	224.5
30°	283.5
32.5°	321.2
35°	334.3
37.5°	378.6
40°	444.1
42.5°	531.0
45°	608.0
47.5°	673.5
50°	698.1
52.5°	865.3
55°	1286.5
57.5°	1837.1
60°	2479.5
62.5°	2994.1
65°	3143.2
67.5°	2966.2
70°	2782.7
72.5°	2538.5
75°	2310.7
77.5°	2030.5
80°	1578.2
82.5°	1088.2
85°	676.8
87.5°	458.9
90°	399.9
92.5°	380.2
95°	355.6
97.5°	331.0
100°	334.3
102.5°	340.9
105°	354.0
107.5°	378.6
110°	421.2



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	478.5
115°	567.0
117.5°	688.3
120°	830.9
122.5°	978.4
125°	1052.1
127.5°	1057.0
130°	1034.1
132.5°	996.4
135°	966.9
137.5°	955.4
140°	943.9
142.5°	927.6
145°	885.0
147.5°	829.2
150°	794.8
152.5°	767.0
155°	750.6
157.5°	685.0
160°	606.4
162.5°	560.5
165°	498.2
167.5°	431.0
170°	399.9
172.5°	375.3
175°	370.4
177.5°	381.8
180°	401.5

(END OF REPORT)